

VISHAY Rectifiers

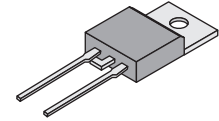
Products may be RoHS compliant.
Check mouser.com for RoHS status.

VISHAY SCHOTTKY RECTIFIERS (CONT.)

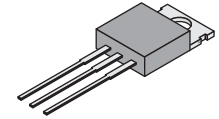
◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

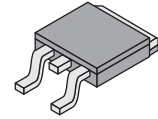
MOUSER STOCK NO.	Vishay Part No.	Package	I _{F(AV)} (A)	V _{RRM} (V)	I _{FSM} (A)	Price Each			
						1	10	100	500
15.0 Amp									
844-15TQ060PBF	15TQ060PBF	TO-220AC	15	60	1000	.87	.83	.64	.52
◆ 844-15TQ060S TR L P PBF	15TQ060S TR L P PBF	TO-252AA	15	60	1000	1.59	1.52	1.16	.815
16.0 Amp									
844-16CTQ100PBF	16CTQ100PBF	TO-220AB	16	100	850	1.39	1.32	1.01	.82
◆ 844-16CTQ100SPBF	16CTQ100SPBF	TO-252AA	16	100	850	2.11	2.01	1.54	1.25
18.0 Amp									
844-18TQ045PBF	18TQ045PBF	TO-220AC	18	45	1800	1.13	1.08	.82	.67
19.0 Amp									
844-19TQ015PBF	19TQ015PBF	TO-220AC	19	15	700	1.09	1.04	.79	.64
20.0 Amp									
844-20L15TPBF	20L15TPBF	TO-220AC	20	15	700	1.10	1.05	.80	.65
844-STPS20L15DPBF	STPS20L15DPBF	TO-220AC	20	15	700	.97	.928	.72	.692
◆ 844-STPS20L15GPBF	STPS20L15GPBF	TO-252AA	20	15	700	2.21	2.11	1.61	1.31
844-20TQ045PBF	20TQ045PBF	TO-220AC	20	45	1800	1.59	1.52	1.16	.94
844-MBR20100CTK P PBF	MBR20100CTK P PBF	TO-220AB	20	100	850	1.23	1.20	.913	.749
844-20CTQ150PBF	20CTQ150PBF	TO-220AB	20	150	1030	1.25	1.20	1.09	.88
30.0 Amp									
844-32CTQ030PBF	32CTQ030PBF	TO-220AB	2x15	30	900	1.47	1.41	1.28	1.04
◆ 844-32CTQ030 S TR L PBF	32CTQ030 S TR L PBF	TO-263	2x15	30	900	2.82	2.69	2.05	1.66
844-STPS30L30CGPBF	STPS30L30CGPBF	TO-252AA	2x15	30	1450	1.93	1.83	1.41	1.18
844-STPS30L30CTPBF	STPS30L30CTPBF	TO-220AB	2x15	30	1450	1.50	1.25	.923	.891
844-30CTQ045PBF	30CTQ045PBF	TO-220AB	2x15	45	1060	1.88	1.80	1.37	1.11
◆ 844-30CTQ060SPBF	30CTQ060SPBF	TO-263	2x15	60	850	2.06	1.96	1.50	1.22
844-30CTQ060PBF	30CTQ060PBF	TO-220AB	2x15	60	1000	1.27	1.21	.92	.75
844-STPS30L60CWPBF	STPS30L60CWPBF	TO-247AC	2x15	60	1020	1.74	1.46	1.14	.977
844-30CPQ100PBF	30CPQ100PBF	TO-247AC	2x15	100	920	1.72	1.64	1.25	1.01
844-30CPQ150PBF	30CPQ150PBF	TO-247AC	2x15	150	920	2.13	2.04	1.55	1.26
40.0 Amp									
844-STPS40L15CTPBF	STPS40L15CTPBF	TO-220AB	2x20	15	700	2.15	1.91	1.44	1.23
844-STPS40L15CWPBF	STPS40L15CWPBF	TO-247AC	2x20	15	700	2.26	1.95	1.51	1.33
844-40L15CTPBF	40L15CTPBF	TO-220AB	2x20	15	700	1.71	1.63	1.24	1.01
844-47CTQ020PBF	47CTQ020PBF	TO-220AB	2x20	20	1000	1.98	1.89	1.44	1.17
844-42CTQ030PBF	42CTQ030PBF	TO-220AB	2x20	30	1100	1.60	1.53	1.17	.95
844-STPS40L40CWPBF	STPS40L40CWPBF	TO-247AC	2x20	40	3500	3.07	2.35	1.85	1.72
844-STPS40L45CWPBF	STPS40L45CWPBF	TO-247AC	2x20	45	1240	2.24	1.69	1.19	1.14
844-40CPQ045PBF	40CPQ045PBF	TO-247AC	2x20	45	3500	2.38	2.27	1.73	1.40
844-48CTQ060PBF	48CTQ060PBF	TO-220AB	2x20	60	1000	1.76	1.69	1.49	1.21
844-40CPQ060PBF	40CPQ060PBF	TO-247AC	2x20	60	3200	2.60	2.48	1.89	1.53
844-43CTQ100PBF	43CTQ100PBF	TO-220AB	2x20	100	850	1.98	1.89	1.44	1.17
◆ 844-43CTQ100SPBF	43CTQ100SPBF	TO-263	2x20	100	850	2.60	2.48	1.89	1.53
844-40CPQ100PBF	40CPQ100PBF	TO-247AC	2x20	100	2950	2.60	2.48	1.89	1.53
60.0 Amp									
844-63CTQ100PBF	63CTQ100PBF	TO-220AB	2x30	100	1500	2.24	2.14	1.63	1.33
844-63CPQ100PBF	63CPQ100PBF	TO-247AC	2x30	100	2200	5.50	5.25	4.00	3.25
844-60CPQ150PBF	60CPQ150PBF	TO-247AC	2x30	150	2300	4.00	3.82	2.91	2.37
70.0 Amp									
844-72CPQ030PBF	72CPQ030PBF	TO-247AC	2x35	30	2180	3.30	3.15	2.40	1.95
80.0 Amp - Thru Hole									
844-80CPQ020PBF	80CPQ020PBF	TO-247AC	2x40	20	2200	3.54	3.38	2.58	2.09
844-82CNQ030APBF	82CNQ030APBF	D61-8	2x40	30	5100	10.20	9.18	7.65	7.14
844-80CPQ150PBF	80CPQ150PBF	TO-247AC	2x40	150	1930	6.41	5.25	4.66	3.79



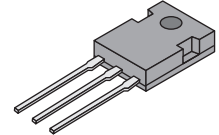
TO-220AC



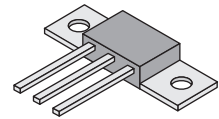
TO-220AB



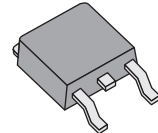
TO-263 (D-PAK)



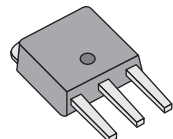
TO-247AC



D61-8



TO-252AA (DPAK)



TO-251AA

VISHAY HIGH PERFORMANCE SCHOTTKY RECTIFIERS

Features:

- 175 °C high performance Schottky diode
- Very low forward voltage drop
- Extremely low reverse leakage
- Optimized VF vs. IR trade off for high efficiency
- Increased ruggedness for reverse avalanche capability

Applications:

- RBSOA available
- Negligible switching losses
- Submicron trench technology
- Designed and qualified for industrial level
- High efficiency SMPS
- Automotive
- High frequency switching
- Output rectification
- Reverse battery protection
- Freewheeling
- Dc-to-dc systems
- Increased power density systems



◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Package	I _{F(AV)} (A)	V _{RRM} (V)	I _{FSM} (A)	Price Each			
						1	10	100	500
6.0 Amp									
◆ 844-6CWT04FN	6CWT04FN	TO-252AA	2x3.0	45	440	.61	.56	.45	.36
844-6CUT04	4CUT04	TO-251AA	2x3.0	45	440	.61	.56	.45	.36
8.0 Amp									
844-8TT100	8TT100	TO-220AC	8.0	100	850	.59	.566	.429	.352
10.0 Amp									
◆ 844-10WT10FN	10WT10FN	TO-252AA	10	100	610	.72	.66	.53	.43
844-10UT10	10UT10	TO-251AA	10	100	610	.72	.66	.53	.43
844-MBR10T100	MBR10T100	TO-220AC	10	100	850	.47	.45	.345	.277
15.0 Amp									
844-15TT100	15TT100	TO-220AC	15	100	920	.61	.58	.44	.36
16.0 Amp									
844-16CTT100	16CTT100	TO-220AB	16	100	850	1.02	.97	.74	.60
20.0 Amp									
◆ 844-20WT04FN	20WT04FN	TO-252AA	20	45	900	1.07	.97	.78	.63
844-20UT04	20UT04	TO-251AA	20	45	900	1.07	.97	.78	.63
◆ 844-20CWT10FN	20CWT10FN	TO-252AA	2x10	100	610	1.07	.97	.78	.63
844-20CUT10	20CUT10	TO-251AA	2x10	100	610	1.07	.97	.78	.63
844-21TT100	21TT100	TO-220AB	20	100	660	.78	.75	.57	.46
844-MBR20T100CT	MBR20T100CT	TO-220AB	2x10	100	850	.63	.609	.466	.38
844-20TT100	20TT100	TO-220AC	20	100	900	.72	.696	.532	.434
30.0 Amp									
844-30CTT045	30CTT045	TO-220AB	2x15	45	880	.87	.83	.63	.51
844-30CPT100	30CPT100	TO-247AC	2x15	100	920	1.24	1.18	.90	.73
844-30CTT100	30CTT100	TO-220AB	2x15	100	920	.94	.89	.68	.55
844-30PT100	30PT100	TO-247AC	30	100	2200	1.98	1.89	1.44	1.17
40.0 Amp									
844-43CTT100	43CTT100	TO-220AB	40	100	900	1.23	1.18	.903	.727
60.0 Amp									
844-60CPT045	63CPT045	TO-247AC	2x30	45	2500	2.53	2.41	1.84	1.49
844-63CPT100	63CPT100	TO-247AC	60	100	2200	2.71	2.58	1.97	1.60